

## **REMARKS**

This Response and Preliminary Amendment is in response to the Office Action mailed April 6, 2007 in which the Examiner requires an election of species for the claims identified in Group II (claims 10-17 and 23-26). Specifically, the Examiner identifies the species of Group II as: (A) the method including modeling the flow meter with a mathematical formula to provide a future signal estimate; and (B) the method generating a measurement signal and conversion thereof into a smooth state signal.

In response to the Examiner's election requirement, Applicants elect to prosecute the claims of Group IIA, and reserve the right to prosecute the claims directed to Group IIB, as well as Group I in separate divisional applications. Accordingly, Applicants elect to prosecute claims 10-17 of the application as originally filed. Furthermore, Applicants have amended claims 23-26 with the understanding that these amended claims as amended read on the species of Group IIA.

Minor amendments have been made to claim 10 and claims 25-26 to correct certain typographical errors noted therein.

It is believed that all of the stated grounds of rejection have been properly traversed, accommodated, or rendered moot. Applicant therefore respectfully requests that the Examiner reconsider and withdraw all presently outstanding rejections. It is believed that a full and complete response has been made to the outstanding Office Action and the present application is in condition for allowance. Thus, prompt and favorable consideration of this amendment is respectfully requested. If the Examiner believes that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at (248) 641-1600.

Respectfully submitted,

Dated: May 7, 2007

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